

1. Product:

PROTECRETE-LAM Liquid Applied Membrane/Surface Laminate Coating

2. Manufacturer:

Applied Concrete Technology, Inc.
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3. Description/Basic Use:

PROTECRETE-LAM is a safe user-friendly aqueous polymer dispersion. LAM liquid is milky-white, odorless, nonflammable and clear-drying (unless pigmented). LAM contains only a technically unavoidable trace of volatile organic matter, of only a few PPM, far below normally acceptable limits. LAM is produced utilizing a multi-phase system, polymerizing emulsified monomers, rendering LAM not water-soluble.

Basic Use:

LAM is used as waterproofing laminate, pigmented/unpigmented architectural coating, a UV-damage protectant laminate over architectural coatings, flat-roof membranes, long-lasting multipurpose elastomeric coating, etc. LAM is non-yellowing, exhibiting good weathering resistance, impact damage resistance, stress cracking resistance, UV resistance, and excellent resistance to damage from oil, acid, salts, bases, and alkali. LAM coats and tenaciously adheres to, and is compatible with almost any clean, dry, smooth and porous surfaces such as concrete, drywall, masonry, wood, etc. LAM drying time significantly varies with application's environment/thickness, substrate temperature, as well as other drying factors such as wind, sun, etc. Freshly-applied LAM should be protected from high winds for the first few hours after application to prevent too-rapid evaporation of its condensate content.

LAM should not be applied to substrates whose temperature is extremely hot (more than 90°F), or when ambient temperature is 45°F or below. LAM applications should be allowed at least 24 hours to strengthen, depending on application thickness, before allowing traffic on surface.

4. Technical Data:

Product type: Aqueous acrylate dispersion, containing proprietary additives

pH range: 7-8

VOC/VOS content: Insignificant trace VOC

Color: Milky white, dries clear (unpigmented)

Specific gravity: 1.08

Elongation: 3 mils ±300%, 10 mils ±1000%

Flexibility: Excellent

Resistance to aging: Excellent

Decomposition products: CO, CO₂, NO_x

Solids content %: 50-60%

Freeze point: 32°F

Freeze harm: Possible, but not likely

Storage temperature: 50-85°F (10-30°C)

5. Installation:

LAM may be applied using one of several application methods, such as sprayer, roller, broom, squeegee, etc. For thick membrane coatings, LAM can be pumped or poured onto a surface, directly from container, then evenly distributed with broom or squeegee. LAM's coverage rate, per square foot, depends on thickness of application.

Estimated Coverage per Thickness:

Divide thickness in inches into 1.6 for square feet of coverage per gallon. Some examples:

1/2" thick	3.2 SF per gallon
1/4" thick	6.4 SF per gallon
1/16" thick	25.6 SF per gallon
1/32" thick	51.2 SF per gallon
1/64" thick	102.8 SF per gallon
1/300" thick	408 SF per gallon

6. Precautions:

Incidental contact with LAM is not hazardous, special clothing is not needed. Avoid eye contact, and around eye membrane areas. If eye contact is made, rinse with clean running water for 15 minutes or more. Should irritation develop, seek medical attention. If ingested in volumes larger than spray droplets, drink plenty of water and then induce vomiting. If nausea develops, seek medical attention.

7. Warranty:

ACT warrants that if any goods supplied prove defective in workmanship or material, that ACT shall replace them or refund their purchase price. This warranty is made in lieu of any and all other warranties, expressed or implied, including the warranties of merchantability and/or fitness which are hereby disclaimed. It is understood and agreed that Buyer's sole remedy, and therefore ACT's liability, whether in contract, tort, under any warranty, in negligence, or otherwise shall be limited to the return of the purchase price paid by Buyer or replacement of any defective goods sold by ACT and under no circumstances shall ACT be liable for special, indirect or consequential damages. The price stated for the goods is a consideration in limiting ACT's liability. Before application, the user shall determine the suitability of the product for user's intended use and user assumes all risks and liabilities whatsoever in connection therewith. The terms of this paragraph may not be orally modified. There are no warranties which extend beyond the face hereof.